

JPD17

L6 ANSWER 2 OF 5 JAPIO (C) 2008 JPO on STN
AN 1997-298060 JAPIO Full-text
TI ALKALINE BATTERY ZINC ALLOY POWDER, AND MANUFACTURE THEREOF
IN NAGATA HIDEKI; ICHIYA KENJI; SAITO KAZUYA
PA DOWA MINING CO LTD
PI JP 09298060 A 19971118 Heisei
AI JP 1996-132739 (JP08132739 Heisei) 19960430
PRAI JP 1996-132739 19960430
SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Volume 1997
AN 1997-298060 JAPIO Full-text
AB PROBLEM TO BE SOLVED: To provide zinc alloy powder of excellent measurement performance which can be obtained by reforming the surface of zinc powder manufactured by atomizing, which is of low cost and favorable fluidity, and with which choking of an injection nozzle can be prevented in charging gel to a cell.
SOLUTION: Powder is formed by use of compression air in an atomizing method from melt of molten zinc of a purity of 99.995% or more to which additive components are added to a specified content, and obtained zinc alloy powder is classified to 100-200 mesh. To this powder, after this, isopropyl alcohol, by 1 part by weight, in which stearic acid is dissolved by 0.0005-0.1 parts by weight is added and mixed by 1.0 parts by weight to zinc alloy powder by 100 parts by weight, and it is dried, with stearic acid attached to the surface of the powder. Zinc alloy powder of excellent fluidity of 33-40sec/50g by JISZ2502 is thus provided.
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